



PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: BAVYKIN, et al.  
Application: COLUMN DEVICE FOR ISOLATION AND LABELING OF  
NUCLEIC ACIDS  
Serial No.: 09/751,654  
Filing Date: December 29, 2000  
Art Unit: 1645  
Case No.: 0003/00797

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first Class Mail, pursuant to 37 C.F.R. 1.8 to the Assistant Commissioner for Patents, Washington, D.C. 20231 on April 13, 2001.

Michael J. Cherskov  
Name of Representative

Michael J. Cherskov  
Signature of Representative

Apr 13, 2001  
Date of Signature

ASSISTANT COMMISSIONER  
FOR PATENTS  
Washington, D.C. 20231

20 N. Wacker Drive  
Chicago, IL 60606  
312-621-1330

REQUEST FOR CORRECTED FILING RECEIPT

Sir:

Enclosed please find a copy of a February 14, 2001 Filing Receipt for the above-identified application with the requested changes noted thereon. Please correct the receipt to read "2" Independent Claims.

Respectfully submitted,

CHERSKOV & FLAYNIK

By

Michael J. Cherskov  
Michael J. Cherskov (Reg. No. 33,664)





## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/751,654	12/29/2000	1645	0.00	0003/00797	6	19	X

CONFIRMATION NO. 8872

27197

CHERSKOV & FLAYNIK  
THE CIVIC OPERA BUILDING  
20 NORTH WACKER DRIVE, SUITE 1447  
CHICAGO, IL 60606

## FILING RECEIPT



\*OC000000005765775\*

Date Mailed: 02/14/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).**

## Applicant(s)

Sergei G. Bavykin, Darien, IL;  
James P. Akowski, Westmont, IL;  
Andrei Mirzabekkov, Darien, IL;  
Vladimir M. Zakhariev, Moscow, RUSSIAN FEDERATION;

## Continuing Data as Claimed by Applicant

## Foreign Applications

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

Early Publication Request: No

## Title

Column device for isolation and labeling of nucleic acids

## Preliminary Class



CHIEF OF OFFICE  
APR 16 2001  
PATENT & TRADEMARK OFFICE

EL031412182US

PTO/SB/05 (11-00)

Approved for use through 10/31/2002 OMB 0651-0032

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 0003/00797  
First Inventor Sergei G. BAVYKIN  
Title COLUMN DEVICE FOR ISOLATION...  
Express Mail Label No. EL031412182 US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- ☐ Fee Transmittal Form (e.g., PTO/SB/17)  
*(Submit an original and a duplicate for fee processing)*
- ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
- ☒ Specification [Total Pages 23]  
*(preferred arrangement set forth below)*
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
- ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 6]
- Oath or Declaration [Total Pages ]
  - ☐ Newly executed (original or copy)
  - ☐ Copy from a prior application (37 CFR 1.63 (d))  
*(for continuation/divisional with Box 18 completed)*
    - ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

- ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission  
*(if applicable, all necessary)*
  - ☐ Computer Readable Form (CRF)
  - Specification Sequence Listing on:
    - ☐ CD-ROM or CD-R (2 copies); or
    - ☐ paper
  - ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

- ☐ Assignment Papers (cover sheet & document(s))
- ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
*(when there is an assignee)*
- ☐ English Translation Document *(if applicable)*
- ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503)  
*(Should be specifically itemized)*
- ☐ Certified Copy of Priority Document(s)  
*(if foreign priority is claimed)*
- ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
- ☐ Other: .....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No. ....

Prior application information:

Examiner .....

Group Art Unit: .....

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

27197

*(Insert Customer No. or Attach bar code label here)*

or ☐ Correspondence address below

Name			
Address			
City	State	Zip Code	
Country	Telephone	Fax	

Name (Print/Type)	Michael J. Cherskov	Registration No. (Attorney/Agent)	33,664
Signature	<i>Michael J. Cherskov</i>	Date	Dec 29, 2000

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231





# SEC-401

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Apr 13, 2001  
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FOR PATENTS  
Washington, D.C. 20231

20 N. Wacker Drive  
Chicago, IL 60606  
312-621-1330

RESPONSE TO NOTICE TO FILE MISSING PARTS

Sir:


In response to the February 14, 2001, Notice to File Missing Parts of Non-Provisional Application and pursuant to 37 C.F.R. 1.53(b), please find enclosed a Signed Declaration With Power of Attorney, a Recordation Form Cover Sheet, Assignments, accompanying fees totaling \$ 460.00, and a request for a Corrected Filing Receipt.

Reiterating item #2 on the patent Transmittal Cover sheet (enclosed), the undersigned states that the inventors and assignee for this application are small entities.

Respectfully submitted,

CHERSKOV & FLAYNIK

By

  
Michael J. Cherskov (Reg. No. 33,664)





## UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NUMBER	FILING RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/751,654	12/29/2000	Sergei G. Bavykin	0003/00797

CONFIRMATION NO. 8872

## FORMALITIES LETTER



\*OC000000005765776\*

27197  
CHERSKOV & FLAYNIK  
THE CIVIC OPERA BUILDING  
20 NORTH WACKER DRIVE, SUITE 1447  
CHICAGO, IL 60606

Date Mailed: 02/14/2001

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION


FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 710 to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27).*
- The oath or declaration is missing.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 840.

*A copy of this notice **MUST** be returned with the reply.*

  
Customer Service Center  
Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY